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## WHAT IS CLAIMED IS:

- 1)A composition comprising a mobile phase and a microbe-sensitive colorant that undergoes a visually detectable change in the presence of a microbe.
- 2) The composition of claim 1 where the microbe is selected from the group consisting of bacteria, fungi and viruses.
- 3) The composition of claim 1 wherein said mobile phase is a liquid.
- 4) The composition of claim 1 wherein said mobile phase is a disinfectant.
- 5) The composition of claim 1 wherein said mobile phase is a gel
- 6) The composition of claim 1 wherein said colorant is a solvatochromic dye.
  - 7) The composition of claim 1 wherein said colorant is a zwitterionic dye of

structure where n is 0 or greater and X is oxygen, carbon, nitrogen, phosphorous or sulfur.

8) The composition of claim 1 wherein said colorant is merocyanine of structure

where n is 0 or greater.

9)The composition of claim 1 wherein said colorant is selected from the group consisting of Reichart's dye, merocyanine dyes, 4-[2-N-substituted-1,4-hydropyridin-4-ylidine)ethylidene]cyclohexa-2,5-dien-1-one, red pyrazolone dyes, azomethine dyes, indoaniline dyes, diazamerocyanine dyes, and mixtures thereof.

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10) The composition of claim 1 wherein said colorant is present in an amount between 0.01 and 10 weight percent.

- 11) The composition of claim 1 wherein said colorant changes color in less than one minute after exposure to microbes.
- 12) The composition of claim 1 wherein said colorant changes color at a rate proportional to the concentration of said microbes.
  - 13) The composition of claim 1 wherein the amount of microbe present is proportional to a quantity of colorant that undergoes said change.

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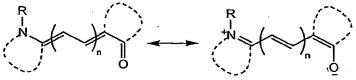
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- 14) The composition of claim 1 wherein said composition is allowed to dry on a solid surface.
- 15) The composition of claim 14 wherein said solid surface is selected from the group consisting of wipers, paper, stickers, tissue, tissue packaging and counter-tops.
- 16) A lateral flow device for the detection of microbes comprising a membrane having a detection zone and a control zone, and a wicking pad wherein said detection zone includes a microbe-sensitive colorant that undergoes a visually detectable change in the presence microbes.
- 17) A method for the detection of microbes on surfaces comprising the steps of applying a solution containing a microbe-sensitive colorant to a surface and observing a visually detectable change indicating the presence of microbes.
- 18) The method of claim 17 further comprising the step of allowing said solution to dry, thus producing a dried residue of said dye containing solution.

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- 19) The method of claim 17 wherein said dye has the formula  $\frac{1}{n}$  where n = 0 or greater and X is oxygen, nitrogen, sulfur, phosphorous, or carbon.
- 20) The method of claim 17 wherein said dye has the formula



Where n = 0 or greater